		•	Expressimail	EL521417745US							
FORM!	PTO-139 0-95)	90 (Modified) U.S. DEPARTM	COMMERCE PATENT AND TRADEMARK OFFICE	AT 1 3 DOCKET NOMBER							
	TF	DSI-1-002/22									
		DESIGNATED/ELECTE	U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR								
		CONCERNING A FILIN	G UNDER 35 U.S.C. 371	09/462950							
INTE		TIONAL APPLICATION NO. PCT/IJS98/14776	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED							
PCT/US98/14776 16 July 1998 16 July 1997 TITLE OF INVENTION											
METHOD FOR ACQUIRING, STORING AND ANALYZING CRYSTALIMACES TO 1 4 JAN 2000											
GES	APPLICANT(S) FOR DO/EO/US GESTER, Thomas E. et al.										
Appli	icant l	nerewith submits to the United Stat	tes Designated/Elected Office (DO/EO/US) the	following items and other information:							
1.	×		tems concerning a filing under 35 U.S.C. 371.								
2.		_	UENT submission of items concerning a filing								
3.	×	This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).									
4.	\boxtimes	A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.									
5.	\boxtimes	A copy of the International Appli	ication as filed (35 U.S.C. 371 (c) (2))								
F.			(required only if not transmitted by the International	ational Bureau).							
ľ		b. has been transmitted by the International Bureau.									
		c. \(\text{is not required, as the application was filed in the United States Receiving Office (RO/US).} \)									
6. 7		A translation of the International Application into English (35 U.S.C. 371(c)(2)).									
7. . 8.	⊠ ⊠	A copy of the International Search Report (PCT/ISA/210).									
. 0.	Ø		International Application under PCT Article 1								
		<u> </u>	n (required only if not transmitted by the Internoty the Internoty the International Bureau.	iational Bureau).							
			by the International Bureau. Swever, the time limit for making such amendn	nonte has NOT evnired							
		d. have not been made and		ients has NOT expired.							
9.		, , ,	to the claims under PCT Article 19 (35 U.S.C.	371(c)(3))							
10.		An oath or declaration of the inve	· ·	57. (e)(e),-							
11.	\boxtimes	A copy of the International Preliminary Examination Report (PCT/IPEA/409).									
12.			e International Preliminary Examination Repo	rt under PCT Article 36							
It	ems 1	3 to 18 below concern document	(s) or information included:								
13.		An Information Disclosure State	ment under 37 CFR 1.97 and 1.98.								
14.		An assignment document for reco	ording. A separate cover sheet in compliance v	with 37 CFR 3.28 and 3.31 is included.							
15.		A FIRST preliminary amendmen									
		A SECOND or SUBSEQUENT	preliminary amendment.								
16.		A substitute specification.									
17.		A change of power of attorney and/or address letter.									
18.	×	Certificate of Mailing by Express Mail									
19.	\boxtimes	Other items or information:									

Article 34 Amendment dated 2/16/99 Article 34 Amendment dated 7/20/99

428 Rec'd PCT/PTO 14 JAN U.S. APPLICATION NO, (IF KNOWN, INTERNATIONAL APPLICATION NO ATTORNEY'S DOCKET NUMBER PCT/US98/14776 DSI-10002/22 20. The following fees are submitted:. CALCULATIONS PTO USE ONLY BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) : Search Report has been prepared by the EPO or JPO \$840.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) \$670.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$760.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO \$970.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$96.00 ENTER APPROPRIATE BASIC FEE AMOUNT = \$670.00 Surcharge of \$130.00 for furnishing the oath or declaration later than □ 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). \$0.00 **CLAIMS** NUMBER FILED **NUMBER EXTRA RATE** 0 \$18.00 \$0.00 Total claims 9 -20 =0 \$0.00 \$78.00 Independent claims Multiple Dependent Claims (check if applicable). \$0.00 TOTAL OF ABOVE CALCULATIONS \$670.00 Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable). \boxtimes \$335.00 **SUBTOTAL** \$335.00 Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). □ 20 □ 30 \$0.00 TOTAL NATIONAL FEE \$335.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). \$0.00 TOTAL FEES ENCLOSED \$335.00 Amount to be: refunded \$ charged \$ \boxtimes A check in the amount of \$335.00 to cover the above fees is enclosed. Please charge my Deposit Account No. in the amount of to cover the above fees. A duplicate copy of this sheet is enclosed. ∇

The Commissioner is hereby authorized to	charge any fees which may be required, or credit any overpayment
to Deposit Account No. 07-1180	A duplicate copy of this sheet is enclosed.
NOTE: Where an appropriate time limit under 1.137(a) or (b)) must be filed and granted to rest	37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR ore the application to pending status.
Ellen S. Cogen Gifford, Krass, Groh, Sprinkle, Anderson & Cit	tkowski, P.C. Clu ' Gyll SIGNATURE
280 N. Old Woodward Ave., Ste. 400 Birmingham, MI 48009	Ellen S. Cogen
(248)647-6000	NAME
	38.109

REGISTRATION NUMBER

14 January 2000

DATE



Examiner LYZING CRYSTAL IMA	Docket No. DSI-10002/22 Group Art Unit
LYZING CRYSTAL IMA	GES
LYZING CRYSTAL IMA	GES
NER FOR PATENTS: nd the period for filing a r	esponse to the Office
:	
nths 🔲 Four months	☐ Five months
June 6, 200	00
Date	
	nder 37 CFR 1.27:

- The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. 07-1180 A duplicate copy of this sheet is enclosed.
- [X] If an additional extension of time is required, please consider this a petition therefor and charge any additional A duplicate copy of this sheet is enclosed. fees which may be required to Deposit Account No. 07-1180

Dated: 5/27/00

Ellen S. Cogen, Reg. No. 38,109

Attorney for Applicant

Gifford, Krass, Groh, Sprinkle,

Anderson & Citkowski, P.C.

280 N. Old Woodward Avenue, Suite 400

Birmingham, MI 48009-5394

(248) 647-6000

61 FC: 216 140.00 0P

CC:

certify that this document and fee is being deposited on with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231. Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence



Attorney Docket No. DSI-10052/04

PATENT COOPERATION TREATY WORLD INTELLECTUAL PROPERTY ORGANIZATION INTERNATIONAL BUREAU

Applicant:

Diversified Scientific, Inc.

Serial No.:

PCT/US98/14776

Filed:

16 July 1998

Title:

AUTOMATED CRYSTAL GROWTH EVALUATION SYSTEM

AMENDMENT

International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20 SWITZERLAND

In response to the Notification of Transmittal of the International Search Report or the Declaration and in accordance with Article 19, Applicant submits herewith substitute claim pages for the above-identified application. Original claims 1-5 have been amended and new claims 6-14 have been added.

If the Examiner has any further questions relating to this application, Applicant's attorney may be reached at the number listed below.

Respectfully submitted,

Douglas W. Sprinkle, Reg. No. 27,394

Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C.

280 N. Old Woodward Ave., Suite 400

Birmingham, MI 48009-5394

(248) 647-6000

Dated:

DWS/gs

PCT/US98/14776 - Page 2

CERTIFICATE OF FACSIMILE

Douglas W. Sprinkle

Reg. No. 27,39

09/462950 428 Rec'd PCT/PTO 14 JAN 2000

Express Mail #EL278073981US IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Diversified Scientific, Inc.

Int'l Application No.: PCT/US98/14776

Filed: 16 July 1998

Title: METHOD FOR ACQUIRING, STORING AND ANALYZING

CRYSTAL IMAGES

STATEMENT UNDER ARTICLE 34

Assistant Commissioner for Patents

Attn: Box PCT

Washington, D.C. 20231

Dear Sir:

Applicant submits that the amendments being made are to further clarify the case.

It is desired to note that the claimed subject matter is novel and can be shown to comprise an inventive step, evidence of which Applicant reserves the right to make of record in due course of the prosecution.

The above amendment does not go beyond the disclosure in the international application as filed.

Respectfully submitted,

Douglas W. Sprinkle, Reg. No. 27,394

Gifford, Krass, Groh, Sprinkle, Anderson & Citkowski, P.C.

280 N. Old Woodward Ave., Suite 400

Birmingham, MI 48009-5394

(248) 647-6000

Dated:

2/16/99

SLC/gs

Express Mail #EL278073981US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Diversified Scientific, Inc.

Int'l Application No.: PCT/US98/14776

Filed: 16 July 1998

Title: METHOD FOR ACQUIRING, STORING AND ANALYZING

CRYSTAL IMAGES

AMENDMENT UNDER ARTICLE 34

Assistant Commissioner for Patents Attn: Box PCT Washington, D.C. 20231

Dear Sir:

Substitute pages 1 and 1A are being submitted. Page 1 has been amended to indicate that the U.S. government has certain rights in the subject invention.

Should be any payment connected to the filing of this document be required, please charge it to Deposit Account No. 07-1180.

Respectfully submitted,

Douglas W. Sprinkle, Reg. No. 27,394

Gifford, Krass, Goon, Sprinkle, Anderson & Citkowski, P.C.

280 N. Old Woodward Ave., Suite 400

Birmingham, MI 48009-5394

(248) 647-6000

SLC/gs

Attorney Docket No. DSI-10052/22

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Diversified Scientific, Inc.

Int'l Application No.: PCT/US98/14776

Filed: 16 July 1998

Priority Date: 16 July 1997

Title: METHOD FOR ACQUIRING, STORING AND ANALYZING CRYSTAL IMAGES

STATEMENT

Box PCT Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Applicant submits that the amendments being made are to further clarify the case and the appended claims.

It is desired to note that the claimed subject matter is novel and can be shown to comprise an inventive step, evidence of which Applicant reserves the right to make of record in due course of the prosecution.

The above amendment does not go beyond the disclosure in the international application as filed.

Respectfully submitted

Ellen S. Cogen, Reg. Nø/38,109 Gifford, Krass, Groh, Sprinkle,

Anderson & Citkowski, P.C.

280 N. Old Woodward, Suite 400

Birmingham, MI 48009

(248) 647-6000

Dated:

ANG/gs

09/462950 428 Rec**CT/PTO** 14 JAN **2000**

The received stamp of the U.S. Receiving Office imprinted hereon hereon acknowledges the filing of:

□ Transmittal Letter □ PCT Request Page(s)

□ Fee Calculation Sheet

Page(s) Specifications

Page(s) Abstract

□ Chapter II Demand And Amendment (Article 34) CPage(s)

□ Invitation to Correct Defects □ Power of Attorney □ Check

Other:

Applicant: Diversified Scientific INC.
Serial/Reg. No. PT/USG8/14776 Atty Docket No. DSI-10052/22
Date: O7/24/99 Date Due: O8/10/99
ACEL OF Mailing/Express Mail Lobel No. EL 153523695US

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	* 3	DELIVERY POST OFFICE TO ADDRESSEE Delivery Attempt Time Employee Signature Delivery Attempt Time Employee Signature Delivery Attempt Delivery		ature of Addressee or Apent e - Please Print	WANTER OF SIGNATURE (Domestic Only): Additional mentamins insurance is rold if wither of algurature is requested. I wish definely to be made without detaining apprature of auchresses or archeresses is agent if delivery employee that archere places are beath and authorize that delivery employee is signature constitutes which proof of a DELIVERY westerd helps.	ASSISTANT COMMISSIONER FOR WASHINGTON DC 20231-0001	80× PCT L 22-1811 www.usps.gov 三芸芸芸
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	EL1.53523695US	ORIGIN (POSTAL USE ONLY) PO ZIP Code Day of Delivery Next Second Date in	AM.	Int'l Alpha Country Code 013. Acceptance Clerk Initials 1007.	Annual Manual II. X4803.20 Annual Manual Mai No. or the or	GIFFORD KRASS GROH & ASSOC PC 280 W OLD WOODWARD AVE STE 400 BIRMINGHAM MI 48009-53	THESS HARD. OST-10052/22 07/2/99 CO 300 are making 3 copies. FOR PICKUP OR TRACKING CALL 1-800-222-1811

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